# Wayland Mission Statement

Wayland Baptist University exists to educate students in an academically challenging, learning-focused, and distinctively Christian environment for professional success, and service to God and humankind.

# Contact Information

**Course**: MISM 3306 VC01 – Introduction to Database Management Systems

**Campus**: WBUonline

**Term/Session:** Summer 2025

**Instructor:** Dr. Kenroy Wedderburn

**Office Phone Number/Cell #:** (347)279-2369

**WBU Email Address:** kenroy.wedderburn@wayland.wbu.edu

**Office Hours, Building, and Location:** F 9am – 11:30am (Email preferred)

**Class Meeting Time and Location:** Online - Asynchronous>

**Catalog Description:**
Introduction to data, data modeling, databases and database management systems, and focus mainly on relational database systems.   Creation of relational database applications using Microsoft Access to reinforce knowledge.

**Prerequisite:**
MISM 3303, MISM 3314

# Textbook Information

**Required Textbook(s) and/or Required Materials:**

| BOOK | AUTHOR | ED | YEAR | PUBLISHER | ISBN# |
|------|--------|----|----|-----------|-------|
| Concepts of Database Management | Friedrichsen | 10th | 2021 | Cengage | 9780-35742-2083 |

*If this is an UNDERGRAD class the textbook for this course is part of the **Pioneer Academic Access Program**. You will have access to an eBook and interactive learning material on the first day of class through your Blackboard course site. If the course requires a physical book you can order at bookstore.wbu.edu. The cost of all your materials are billed to your student account at $26.00 per credit hour. You can choose to opt-out, however if you do you will lose access to **all classes/materials** and have to source through third party vendors You will be notified via email with access instructions and additional information. If you are in a GRADUATE class you will have an Automatic eBook which is billed directly to your student account or a physical book that can be purchased at bookstore.wbu.edu.  If*

*you do not wish to participate in the Automatic eBook program, you will have the first week of class to opt-out of the program (additional details will be outlined in your email instructions).*

**Optional Materials:** N/A

**Course Outcome Competencies:**
- Define and use common databases terminology
- Understand basic SQL language to manipulate a database
- Use data modelling and normalization to design relational databases
- Use Microsoft Access to build a functioning database with appropriate user interfaces, multiple tables, and reports
- Articulate new development and trends in the world of data, databases and database management systems including but not restricted to data warehousing, data mining, and data analytics/"big data"

# Attendance Requirements

WBUonline
Students are expected to participate in all required instructional activities in their courses. Online courses are no different in this regard; however, participation must be defined in a different manner. Student "attendance" in an online course is defined as active participation in the course as described in the course syllabus. Instructors in online courses are responsible for providing students with clear instructions for how they are required to participate in the course. Additionally, instructors are responsible for incorporating specific instructional activities within their course and will, at a minimum, have weekly mechanisms for documenting student participation. These mechanisms may include, but are not limited to, participating in a weekly discussion board, submitting/completing assignments in Blackboard, or communicating with the instructor. Students aware of necessary absences must inform the professor with as much advance notice as possible in order to make appropriate arrangements. Any student absent 25 percent or more of the online course, i.e., non-participatory during 2 or more weeks of an 8-week session, may receive an F for that course. Instructors may also file a Report of Unsatisfactory Progress for students with excessive non-participation. Any student who has not actively participated in an online class prior to the census date for any given session is considered a "no-show" and will be administratively withdrawn from the class without record. To be counted as actively participating, it is not sufficient to log in and view the course. The student must be submitting work as described in the course syllabus. Additional attendance and participation policies for each course, as defined by the instructor in the course syllabus, are considered a part of the university's attendance policy.

# University Policies

**Academic Integrity:**
Link to Statement on Academic Integrity

**Artificial Intelligence:** reference <u>one</u> of the following in regard to how generative artificial intelligence (GAI) such as ChatGPT may or may not be used in this course: Choose A, B or C and delete the others.

A.  **No use of any generative AI tools permitted.**
    i.   Students are required to create and produce all work themselves or with assigned group members. Any work submitted that has used an AI generative tool like ChatGPT will be in immediate violation of the academic integrity policies for the course and WBU.
    ii.  All assignments must be fully created, designed, and prepared by the student(s).
    iii. Any work that uses generative AI will be treated as plagiarism.
B.  **Generative AI tools permitted in specific context and with proper citations.**
    i.   Students are allowed to use, reference, or incorporate generative AI tools into specific assignments for this course. When used, students must properly cite the generative AI tool in their submitted work.
    ii.  While there is no true substitute for direct help and instruction for your instructor, students may be allowed to use generative AI tools to provide further explanations of course content, readings, and other assignments. Any use of generative AI tools to help further explain or translate content must be properly referenced and cited.
    iii. Specific parameters for generative AI usage are provided by the instructor.
    iv.  Any use of generative AI tools outside of the approved instructor parameters will be considered a form of plagiarism and academic dishonesty.
C.  **Generative AI tools usage encouraged and may be actively assigned in coursework.**
    i.   Use of generative AI tools is actively encouraged and incorporated in to specific assignments for this course.
    ii.  Use of generative AI tools for assignments in brainstorming, content understanding, or revision to work is perfectly acceptable if cited and referenced properly in any submitted work for the course.
    iii. Use of generative AI is encouraged as long as students understand the use of generative AI in the course is to be an assistance tool and not the generator of assignments and submitted work. Ultimately, all submitted work must still reflect student's own work, understanding, and analysis.
    iv.  Specific parameters for generative AI usage provided by the instructor.
    v.   Any use of generative AI tools outside of the approved instructor parameters will be considered a form of plagiarism and academic dishonesty.

**Disability Statement:** In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Disability Services Coordinator and Academic Coach serves as the coordinator of students with disabilities and must be contacted concerning accommodation requests.  Office: (806) 291-1057.  Documentation of a disability must accompany any request for accommodations.

# Course Requirements and Grading Criteria

- **Assignments (50 marks)**
- **Discussions  (10 Marks)**
- **Exams   (25 marks)**
- **Essay (15 marks)**

- **Essay MUST be written using the following guidelines:**
  - Minimum of five (5) pages double spaced, Times New Roman 12 point
  - Use Introduction, Conclusion and other sub headings
  - You will lose marks for spelling/grammar errors
  - At least two (2) references
  - **Essay topic:** Articulate new development and trends in the world of data, databases and database management systems. In your essay, you must write about the following terms:
    - data warehousing, data mining, and data analytics/"big data"

**Discussions**

1. **Name three DBMS tools currently being used in businesses. Give reasons why these are chosen/used by businesses**
   a. You need to post at least two paragraphs each containing at least six sentences. (90%)
   b. You are required to submit your post **and then also** respond to at least one of your class mates' posts. (**10%**)

2. **What is the role of the database administrator, what are their salary ranges, and why are they important to businesses?**
   a. You need to post at least two paragraphs each containing at least six sentences. (90%)
   b. You are required to submit your post **and then also** respond to at least one of your class mates' posts. (**10%**)

**Assignment #1**
Watch the following two videos and prepare a summary of the two videos.

- Use a cover page
- Minimum of two pages total for the two summaries
- In your summary, make sure you demonstrate your understanding of the following terms: (data, database, attribute, entity, DBMS, DBA)
- The videos are:
  - https://www.youtube.com/watch?v=d11viALaCvA        (3:31 min)
  - https://www.youtube.com/watch?v=wR0jg0eQsZA         (5:31 min)

**Assignment #2**
Do Review Questions 1 – 10 at the end of Chapter 1

**Assignment #3**
Download the BITS MS Access database (from Blackboard) and do the following questions from BITS Corporation Exercises: QBE from the end of Chapter 2
Questions 1 – 8

**Assignment #4**
Download the document Access2016Basics-Handout and follow the steps to create an MS Access database. After completing all the exercises - Close the Database and submit for Assignment

**Assignment #5**
Use the file that you created for Assignment #4 and do the following:

i. Add a new field to the Patient table named Pt Doctor #. Then add the following Doctor Numbers to the existing fields in order: 11145, 11142, 11145, 11141, 11141

ii. Create a new table named Doctor. Add fields: Pt Doctor # (designate as the primary key); Doc First Name, Doc Last Name, Doc Specialty.

iii. Create five records as follows:

**Doctor**

| Pt Doctor # | Doc First Name | Doc Last Name | Doc Specialty |
|---|---|---|---|
| 11141 | Dony | Wilkin | Internist |
| 11142 | Carol | Becklin | Generalist |
| 11143 | Jogn | Dewey | Surgeon |
| 11144 | Peter | Segway | Surgeon |
| 11145 | Caol | Brown | Internist |

iv. Go to Create Query Design and double click on Doctor, then on Patients in the Show Table Dialog box.

v. Close the dialog box.

vi. From the Patients box, double click Pt First Name, Pt Last Name, Pt Birth Date

vii. From the Doctor box, double click Doc First Name, Doc Last Name, Doc Specialty

viii. Switch to Datasheet View. You should see the selected field in one query table

ix. Save the Query with the name "Patients Doctors"

x. Close the Database

Submit Database for Assignment

**Student Grade Appeals:** Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the <u>final</u> grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Vice President of Academic Affairs to the Faculty Assembly Grade Appeals Committee for review and approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.

# Tentative Schedule

| Week # / Class Dates | Reading Topics | Blackboard Assignments / Quizzes | Due Dates |
|---|---|---|---|
| **1** June 3 | Chapter 1: Introduction to Database Management | **Req'd Assgn** **Assignment #1** | Wed June 4 Sat June 7 |
| **2** June 10 | Chapter 1: | **Assignment #2** | Sat June 14 |
| **3** June 17 | Chapter 2 | **Assignment #3** | Sat June 21 |
| **4** June 24 | Chapter 2 | **Exam #1** | Sat June 28 |
| **5** **July 1** | Chapter 3 | **Assignment #4** Discussion #1 | Sat July 5 |
| **6** July 8 | Chapter 3 | **Essay** | Sat July 12 |
| **7** July 15 | Chapter 5 | **Assignment #5** Discussion #2 | Sat July 19 |
| **8** July 22 | Chapter 6 | **Exam #2** | Sat July 26 |

# Additional Information

i) Please include the course number (MISM3306) on the subject line of your emails to me for quick turnaround. Typical turnaround time for responses are within 24 hours during the week and 48 hours on weekends.

ii) **Late Policy** – Except for the last week of class - I will accept assignments up to a maximum of one week late (points will be deducted at a rate of -5 for each day late). No assignments will be accepted after the one week deadline. No late assignments are accepted for the last week of class. This does not apply to Discussions. *No late postings are allowed for Discussions*.

iii) **Make-Up Policy**: No makeup work will be assigned for this course.

iv) Assignments should only be submitted using Blackboard. Assignments must be formatted as a Microsoft Office file (even if not produced using Microsoft Office) or a PDF file.

v) All assignments (however small) MUST have a cover page to include: Course Number and Name; Student's Name, Instructor's Name; Assignment Name/Title; Date. No cover sheet will mean -5% points.

vi) If any assignment is numbered, or has multiple questions, the student must clearly indicate which question is being answered for which question. The instructor is not obligated to search for, guess or otherwise try to figure out which answers belong to which questions. If the instructor cannot easily see which answer belong to which question – then the assignment will not be graded.

vii) It is very important that you check your Wayland email at least twice per day (morning and evening). The instructor may need to contact you urgently regarding a matter pertaining to you

and time may be of the essence. Ideally you should check your Wayland email regularly >